

Required Body Parts

***Fenders** - Shall cover the entire tread width, at least 15 degrees to the front, and 75 degrees to the rear. Shall extend down to at least the center of the axle.

RCW 46.37.500 & WAC 204-90-040

***Hood** – With both primary and secondary latches
RCW 46.37.517 & WAC 204-90-040

Doors – With door latches.
RCW 46.37.517 & WAC 204-90-040

Floor Pans – Under the entire passenger compartment, capable of supporting the weight of the number of passengers that the vehicle is designed to hold.

WAC 204-90-040

Defroster/Defogger – All vehicles, after 1938, must be equipped with a working defroster/defogger.

WAC 204-90-040

***Optional** on street rods (not less than 40 years old) and kit vehicles, operated on improved roads, and in “good” weather.

RCW 46.37.518 & WAC 204-90-040

Other Required Equipment

Windshield - Windshield is required to be present, but not in use if recognized eye protection is used. The minimum vertical height of the unobstructed windshield glass shall be 6”, or as originally equipped by a recognized manufacturer.

- Also See View Obstruction, and Window Tinting,
RCW 46.37.410 & WAC204-90-050

Windshield Wipers - Required **RCW 46.37.410**

Horn – Audible for at least 200’. May not be unreasonably loud or harsh, or a whistle, siren, or bell.
RCW 46.37.380 & WAC 204-90-140

Speedometer - All special motor vehicles shall be equipped with a working speedometer.
WAC 204-90-060

Exhaust – No person shall modify the exhaust system of a motor vehicle in a manner that will amplify or increase the noise emitted by the engine of such vehicle above that emitted by the muffler originally installed on the vehicle.
RCW 46.37.390 & WAC 204-90-130

Steering Wheel – Continuous rim steering wheel, the outside circumference of which shall be free from holes or angles capable of catching fingers, buttons, etc., not less than 12” in diameter.
RCW 46.37.375 & WAC 204-90-110



For further information, or for a more complete list of rules and regulations governing equipment and special motor vehicles, search title 204 in the Washington Administrative Code (WAC), title 46 in the Revised Code of Washington (RCW), and the Federal Motor Vehicle Safety Standards (FMVSS). These may be accessed through the Washington Sate Patrol’s home page;

www.wsp.wa.gov

and

www.nhtsa.com

Or call your local Washington State Patrol office listed below

OR

E-mail questions to:
equipment@wsp.wa.gov

3000-150-140 (R 9/06)



Rules and Regulations Governing Equipment, and After-Market Equipment on Vehicles, and Special Motor Vehicles.

What is a special motor vehicle?

1. A passenger vehicle, multipurpose passenger vehicle, truck, or bus with a Gross Vehicle Weight Rating of 10,000lbs. or less, and;
 - Equipped with two or more axles, having at least two wheels per axle, and;
 - is intended for use on the public highways.
- A vehicle that retains or is an exact replica of the original body configuration of a recognized vehicle manufacturer with changes made to any of the equipment items specified in this chapter. This type shall also include vehicles that have been modified from a recognized vehicle manufacturer’s original body chassis configuration but retain the general appearance of the original body chassis.
2. Not withstanding any other provisions of law, a vehicle, or exact replica of a vehicle manufactured prior to 1968, owned and operated primarily as a collector’s item, and which has been restored to the original configuration and specifications of a recognized manufacturer, is exempted from the requirements of this chapter.

WAC 204-90-030

View Obstruction

(Visors, stickers, hood scoops, mud, and all other after market items.)

- No items except the hood ornament and windshield wipers, identical to those originally installed by a recognized manufacturer, shall project more than 2” above a line from the top of the steering wheel to the top of the front fenders or hood. **WAC 204-90-050**
- No person shall drive any motor vehicle with any sign, poster, or other non-transparent material upon the front windshield, side wings, or side or rear windows of the vehicle that obstructs the driver’s clear view of the highway or intersecting highway.
RCW 46.37.410 & WAC 204-82A-050

Window Tinting / Sunscreening

- Sunscreening devices are products, permanent, semi-permanent, and temporary, which reduce the adverse effects of the sun. **WAC 204-82A-040**
- Materials not permitted;
 - Mirror finish products
 - Red, Yellow, Gold, or Black material
 - Brushed or sprayed on material.**RCW 46.37.430**
- Sunscreening devices and/or recreational products may not be applied to, or suspended between the driver and the windshield, or to the windows to the immediate right and left of the driver. Recreational products may be applied to other windows only if they do not interfere, by their size and/or position with the driver’s ability to see other vehicles, persons, and objects. **WAC 204-82A-040 & 204-82A-050**
 - Must have both left and right side-view mirrors if window tinting is applied, allowing a 200’ view to the rear..
RCW 46.37.430 & WAC 204-82A-050
- The maximum level of sunscreening material to be applied to any window, except the windshield, shall have a total reflectance of 35% or less ($\pm 3\%$), and a light transmittance of 35% or more ($\pm 3\%$) resulting in a minimum of 24% light transmission on AS-2 glazing. **RCW 46.37.430**
 - **Exemption** – Doctor’s orders. **RCW 46.37.430**
- A greater degree of sunscreening may be applied to the top 6” of the windshield. **RCW 46.37.430**

Other Required Equipment
(continued)

Steering System Free Play Values

Table with 2 columns: Steering Wheel Diameter, Lash. Rows include 16" or less, 18", 20", and 22" with corresponding lash values.

RCW 46.37.375 & WAC 204-90-110

- *Bumpers – See Maximum Heights
Mandatory on special motor vehicles where the original design included bumpers.
• Must be a minimum of 4 1/2" wide, load bearing, attach to the frame, and as wide as the wheel track.

WAC 204-90-040

- Suspension – See Height
• No hydraulic system shall be activated while the vehicle is being operated on public roads with a posted speed limit greater than 25 mph and traveling in excess of 15 mph.
• Shall be capable of a minimum travel of + and – 2".
• There shall be no heating or welding of the coil springs, leaf springs, or torsion bars.

WAC 204-90-120

Body Lift – See Maximum Heights

Tires - Must be DOT approved for highway use, and have a minimum of 2/32 of tread depth in any two major tread grooves.

License Plates -

- Required- Shall be mounted conspicuously at the front and rear of the vehicle horizontally, not less than one foot, nor more than four feet off the ground.
- Obstructed- It is unlawful to use any holder, frame, or materials that in any way changes, alters, or makes illegible the vehicle license plate.

Projections

Wheels – No vehicle may be equipped with wheel nuts, hubcaps, or wheel discs extending outside the body of the vehicle when viewed from directly above which:
• Incorporate winged projections; or
• Constitute a hazard to pedestrians and cyclists.

RCW 46.37.369

Body, Fender, and Bumpers – Shall be maintained without protrusions that could be hazardous to pedestrians. Bumpers shall not extend past the original bumper line.

Safety appliances – Such as clearance lights, flexible fender extensions, mud flaps, splash and spray inhibiting devices, and others may not extend more than 3" beyond the extreme limits of the body.

Rear Vision Mirror – Shall not extend more than 5" beyond the extreme limits of the body.

To the Front – Load shall not extend beyond 3'
• Read for exemptions

To the Rear – Load shall not extend more than 15' beyond the center of the last axle.

Outside load Limits – No passenger type vehicle shall be operated with any of the load extending past the fender line on the left side, nor more than 6" past the fender line on the right side of the vehicle.

Fender Flares & Anti-Spray Devices

- Required – All vehicles, trailers, and semi-trailers must be equipped with fenders, covers, flaps, or splash aprons adequate for minimizing the spray or splash of water and mud to the rear if the vehicle. All such devices shall be as wide as the tires behind which they are mounted, and extend down to at least the center of the axle. (See required Body parts for exceptions)
• Are not included in the total maximum width of 8'6" for motor vehicle.
• See Projections

Lights
(Color, location, and number)

Covers – No additional lamp, reflective device, or other motor vehicle equipment shall be added which impairs the effectiveness of the lamp standard.
See individual lamp RCW/WAC
Headlamp Concealment Device – Shall be fully opened in not more than 3 seconds after the actuation of a driver operated control.

FMVSS 108 S12.5

Front – A maximum of four of the below listed lamps may be on at one time.

WAC 204-90-140 & RCW 46.37.270

- Head lamps –
• Required to be on from 1/2 hour after sunset, to 1/2 hour before sunrise, and at any other times when persons and vehicles are not clearly discernable at 1000 ft.
• If installed after 1975, not closer than 12" from the centerline of the vehicle, but as far apart as practicable. If customized, then no closer than at the time of manufacture.
- Fog Lamps – Two or less, with the inner edge of the lens retaining rings no closer than 4" to the optical center of the front turn signal lamp.
- Auxiliary Passing Lamps – Two or less.
- Auxiliary Driving Lamps – Two or less.
- Spot Lamps – Two or less.

Side Marker Lamps - Not Required on vehicles under 80" in width, but if present must be amber to the front, and red to the rear only.

Rear -

- Tail Lamps - Required to be on from 1/2 hour after sunset, to 1/2 hour before sunrise, and at any other times when persons and vehicles are not clearly discernable at 1000 ft.
• At least two, red in color, visible from 1000'.
• All must be on same level and as widely spaced as possible.
• On vehicle 40 or more years old, may have a blue or purple insert, not more than one inch in diameter.
- Brake / Stop Lamps – At least two if assembled after 1964. Red, amber or any shade between, visible from 300'(daylight) after 01/01/60.
• Turn lamps – A total of four, one on each side, front and back, after 01-01-60. Red, amber or any shade between, red, amber or any shade between, visible from at least 500'(daylight)
• License Lamp - White in color only, rendering license legible from 50'.

WAC 204-90-140 & RCW 46.37.050

Other After-Market Lighting Devices

Neon Lights - After market neon lighting devices may not be used on motor vehicles while they are in motion on public roads.

Signs / Message boards – May not be lighted, or electronically powered on any motor vehicle while on the public right-of-way. (Taxi cabs exempted)

Minimum Height

No part of the vehicle may be lower than the lowermost portion of the rim of any wheel in contact with the roadway.

Maximum Heights

Table with 3 columns: *Bumper (4.5" min. width), Front, Rear. Rows include GVWR 7501 – 10,000, GVWR 4501 – 7,500, GVWR 0 – 4500, and Car.

WAC 204-90-040
*(Measured from ground to the bottom of the bumper)

Body Lift – 3" maximum spacer, with body not raised more than 4" above frame when installation is complete.

Headlights - Every headlamp on every motor vehicle shall be located not more than 54", nor less than 24" from the ground to the center of the light.

Taillights – Between 15" and 72" off the ground.

Fog Lamps – Between 12" and 30" off the ground.

Auxiliary Passing Lamps – Between 24" and 42" off the ground.

• Shall not be used in lieu of headlamps.

Auxiliary Driving Lamps – Between 16" and 42" off the ground.

• Shall not be used in lieu of headlamps.

Rear Reflectors – between 15" and 72" off the ground